

(5)

L1 ANSWER 1 OF 1 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN
AN 1981-91746D [50] WPIDS
TI Electron beam welder preventing oxidn. of weld - has nozzle for shielding
gas behind the electron beam nozzle.
DC M23 P55
PA (TOKE) TOKYO SHIBAURA ELECTRIC CO
CYC 1
PI JP 56139293 A 19811030 (198150)* 3p <--
PRAI JP 1980-40248 19800331
IC B23K015-00
AB JP 56139293 A UPAB: 19930915
An electron beam welder, in which an electron beam is directed on the work
placed in gaseous envelope at atmospheric pressure, includes a nozzle for
shielding gas behind the electron beam nozzle, as seen in the direction of
the movement of the work. Argon, helium or other inert gas is fed through
the path to the nozzle. The nozzle may be provided with steel wool to
achieve a uniform flow of the gas.
Oxidn. of weld can be prevented. EBW can be applied by the present
welder to stainless steel and aluminium which is prone to oxidn.
FS CPI GMPI
FA AB
MC CPI: M23-D04